

**CLAIMS**

1. A packing sleeve (10) for a cylinder (42) in a printing press, characterised in that the packing sleeve (10) comprises an evacuable structure of voids (16).
2. A packing sleeve (10) according to claim 1, characterised in that the evacuable structure comprises a plurality of individual voids (16), and/or in that several voids (16) of the evacuable structure are connected with one another.
3. A packing sleeve (10) according to claim 1 or claim 2, characterised in that the voids (16) run substantially parallel to the figure axis of the packing sleeve (10).
4. A packing sleeve (10) according to claim 1, 2 or 3, characterised in that the outer lateral surface (30) of the packing sleeve (10) represents substantially the lateral surface of a right-circular cylinder.
5. A packing sleeve (10) according to claim 1, 2 or 3, characterised in that the packing sleeve (10) has in its outer lateral surface (30) at least one recess (28) for fixing a plate-form cylinder packing.
6. A packing sleeve (10) according to any one of the preceding claims, characterised in that the packing sleeve (10) has at its inner lateral surface at least one recess or one projection.
7. A packing sleeve (10) according to any one of the preceding claims, characterised in that the packing sleeve (10) comprises at least one annular lateral plate (14) that has a cavity (18) connected to the evacuable structure.

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8. A method for varying the inner diameter of a packing sleeve (10) according to any one of the preceding claims, characterised in that that the evacuable structure of the packing sleeve (10) has a negative pressure applied to it.

9. A method according to claim 8, characterised in that the inner diameter is increased by the application of negative pressure during the change in the fixing state of the packing sleeve (10) on a cylinder (42) in a printing press

10. Use of a packing sleeve (10) according to any one of the preceding claims to increase the outer diameter of a cylinder in a printing press by drawing the packing sleeve (10) over the cylinder in the printing press.